ABSTRACT OF THE DISCLOSURE

A method of making a permanent magnet body is provided. The method includes providing a first precursor body comprising a plurality of blocks and magnetizing the first precursor body to form a first permanent magnet body. A recoil magnetization pulse may be applied to the permanent magnet body after the magnetization. The precursor body may be heated during magnetization. A power supply containing a battery may be used to energize a pulsed magnet used to magnetize the precursor body.